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ID. GOA - 5

ii, 24th September, 1998 (Asvina 2, 1920)

SERIES I No. 26

57  
8



# OFFICIAL GAZETTE

## GOVERNMENT OF GOA

### EXTRAORDINARY

### No. 2

#### GOVERNMENT OF GOA

Department of Science, Technology & Environment

of sub-section (1) (a) and (c) of section 25 of the Act, shall be made in Form IV (a) and shall be accompanied by fees as indicated in Table 1 below.

TABLE — 1

#### Notification

3-38-98-STE-DIR/774

In exercise of the powers conferred by section 64 of the Water (Prevention and Control of Pollution) Act, 1974 (Central Act 6 of 1974), the Government of Goa, after consultation with the Goa State Pollution Control Board, hereby makes the following rules so as to amend the Goa Water (Prevention and Control of Pollution) Rules, 1988, as follows, namely:—

1. *Short title and commencement.*— (1) These rules may be called the Goa Water (Prevention and Control of Pollution) (Amendment) Rules, 1998.

(2) They shall come into force at once.

2. *Amendment of rule 3.*— In rule 3 of the Goa Water (Prevention and Control of Pollution) Rules, 1988 (hereinafter referred to as the “principal Rules”) in sub-rule (4), for the expression “Rs. 60 (Rupees sixty)” the expression “Rs. 200 (Rupees two hundred)” shall be substituted.

3. *Amendment of rule 29.*— For rule 29 of the principal Rules, the following shall be substituted namely:—

“29. *Application for the consent of the Board.*— (1) Every application for consent to establish under clauses (a) and (c)

Total Estimated Investment* (T. E. I.) (in lakhs of Rs.)	Consent Fee (in Rs.)
up to 1	100
above 1 - up to 2	200
above 2 - up to 3	300
above 3 - up to 4	400
above 4 - up to 5	500
above 5 - up to 6	600
above 6 - up to 7	700
above 7 - up to 8	800
above 8 - up to 9	900
above 9 - up to 10	1000
above 10 - up to 15	1200
above 15 - up to 20	1400
above 20 - up to 25	1600
above 25 - up to 35	2000
above 35 - up to 45	2400
above 45 - up to 55	2800
above 55 - up to 65	3200
above 65 - up to 75	3600
above 75 - up to 100	4000
above 100 - up to 500	5200
above 500 - up to 1000	6400
above 1000 - up to 2000	7600
above 2000 - up to 3000	10100
above 3000 - up to 4000	12600
above 4000 - up to 5000	15100
above 5000 - up to 10000	22600
above 10000 - up to 20000	30100

\* If the T. E. I. value exceeds Rs. 20,000 lakhs, a fee of Rs. 100/- per every additional 100 lakhs shall be payable in addition to Rs. 30,100/-

(2) Any industry, operation, process, treatment/disposal system or an extension/addition thereto, for which the consent to establish has been granted, shall be ready for operation within the validity period stipulated in the said consent to establish, failing which a fresh application with fees shall be made for re-validation.

(3) When any industry, operation, process, treatment/disposal system or an extension/addition thereto is established, an application for consent to operate (Consent) under clauses (b) and (c) of sub-section (1) of section 25 of the Act, shall be made in Form IV (b) at least two months prior to the scheduled date of commencing operation, and shall be accompanied by fees as indicated in Table 2 below.

TABLE — 2

Gross Fixed Assets (GFA)* (in lakhs of Rs.)	Consent Fee (in Rs.)
up to 1	500
above 1 - up to 2	1,000
above 2 - up to 3	1,500
above 3 - up to 4	2,000
above 4 - up to 5	2,500
above 5 - up to 6	3,000
above 6 - up to 7	3,500
above 7 - up to 8	4,000
above 8 - up to 9	4,500
above 9 - up to 10	5,000
above 10 - up to 15	6,000
above 15 - up to 20	7,000
above 20 - up to 25	8,000
above 25 - up to 35	9,500
above 35 - up to 45	11,000
above 45 - up to 55	12,500
above 55 - up to 65	14,000
above 65 - up to 75	15,500
above 75 - up to 100	17,000
above 100 - up to 500	22,000
above 500 - up to 1000	27,000
above 1000 - up to 2000	37,000
above 2000 - up to 3000	47,000
above 3000 - up to 4000	57,000
above 4000 - up to 5000	67,000
above 5000 - up to 10000	97,000
above 10000 - up to 20000	1,27,000

\* If the G. F. A. value exceeds Rs. 20,000 lakhs, a fee of Rs. 500/- per every additional 100 lakhs shall be payable in addition to Rs. 1,27,000/-

(4) Any application not accompanied by appropriate amount of fees shall not be entertained by the Board.

(5) Fees shall be paid by a bank draft in favour of the Goa State Pollution Control Board.

(6) An application for renewal of Consent shall be made in Form IV (b) at least two months prior to the expiry of current Consent, alongwith the requisite fees indicated in Table 2. Application for renewal of consent submitted after the validity period shall be accompanied by a penalty of 50% of the Consent fee.

(7) All applications shall be accompanied by an appropriate document as prescribed by the Board to certify the level of T. E. I. or the current value of G. F. A. of the industry, operation, process, treatment/disposal system or extension/addition thereto for which the consents are sought.

4. *Amendment of Form IV.* — For Form IV appended to the principal Rules, the following new Forms shall be substituted, namely:—

“Form IV (a)

“Form IV (b)

By order and in the name of the Governor of Goa.

*Dr. N. P. S. Varde*, Director & Jt. Secretary (STE).

Saligao, 3rd September, 1998.

Price Rs. 100/-

FORM IV (a)

(See rule 29)

[To be submitted in 5 sets]

Application Form for Obtaining Consent to Establish  
(under section 25/26 of the Water (Prevention and Control  
of Pollution) Act, 1974 (6 of 1974).

From

.....  
.....  
.....

To

The Chairman,  
The Goa State Pollution Control Board,  
243-Patto,  
Panaji-Goa-403001.

Sir,

I/We hereby apply for consent to establish under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974).

(2) The annexure, appendices, other relevant particulars and plans are submitted herewith in five sets.

(3) I/We further declare that the statements made and information furnished in the annexures, appendices and plans are true to the best of my/our knowledge.

(4) I/We undertake to furnish any other information within ONE MONTH of its being called for by the Board. I/We further understand that only the dates on which all the relevant particulars are furnished by me/us in order to make the application complete in all respects, will be reckoned as the date of making the application, irrespective of the date of submission of the original application, which is incomplete.

(5) I/We understand that the factory/unit can be put in operation only on obtaining CONSENT TO OPERATE as per the provisions of section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974).

(6) Accordingly, I/We undertake that the production including the trial production shall not be commenced until and unless:—

- (a) all the conditions which may be set out in the grant of consent to establish are complied with,
- (b) consent to operate under the Water (Prevention and Control of Pollution) Act, 1974 and/or any other relevant Act is obtained.

(7) I/We understand that any condition imposed by the Board while granting consent to establish will be binding on me/my company.

I/We enclose herewith the Bank Draft No. .... date ..... for Rs. .... (Rupees ..... only) in favour of Member Secretary, Goa State Pollution Control Board-Panaji as fees\* payable under section 25/26 of the Act, 1974.

Yours faithfully,

Signature:

Name of the applicant:

Address:

\* Please refer Table — I

#### ANNEXURE TO FORM IV (a)

Note: Any applicant knowingly giving incorrect information or suppressing any information pertaining thereto shall be liable to be punished under the Act.

While filling this Annexure, the applicant not concerned with any of the items shall state "Not concerned" against the relevant one.

#### 1. GENERAL:

- 1.1 Name of the industry:
- 1.2 Location of the proposed Industry:
- 1.3 Address for correspondence:
- 1.4 Name and address of applicant with telephone number :
- 1.5 Nationality of the applicant:
- 1.6 Status of the applicant:
  - (a) Individual:
  - (b) Proprietary:
  - (c) Partnership firm:  
(whether registered or unregistered)
  - (d) Joint family concern:

(e) Private Limited Company:

(f) Public Limited Company:

(g) Government Company:

(1) State Government:

(2) Central Government:

(3) Union territory:

(h) Foreign Company:

(if foreign Company, details of registration, incorporation, etc.,)

(i) Any other Association or body:

- 1.7 Give Revenue/Survey number of land/premises for which the application is made stating District, Taluka and Village. District:  
Taluka:  
Town:  
Village:  
Revenue Survey No.  
Area in Hectares:
- 1.8 Purpose for which consent (1) Setting up of new Industry is required  
(2) Expansion/ Diversification/Modifications

If it is for expansion/diversification/modifications, please furnish details.

- 1.9 (a) Total cost of the project (including cost of Land).
- (b) Total Estimated Investment (including cost of Land).
- 1.10 Number and date of provisional registration issued by Directorate of Industries and Mines for SSI units:
- 1.11 Date of submission of application to HPCC in case of Large/Medium Scale Industries:
- 1.12 Number of workers to be employed:

#### 2. PRODUCTS AND RAW MATERIALS:

- 2.1 List of products and by-products, if any, with proposed quantity to be produced per month: Licensed Capacity Installed Capacity
- 2.2 List of raw materials used: (Quantity/month)

#### 3. MANUFACTURING PROCESS:

- 3.1 Give detailed description of manufacturing process alongwith a process flow diagram showing the entry and exit points of all raw materials, intermediate products, by-products, water pollution sources:
- 3.2 Have you any foreign collaboration?

## 4. SOURCE OF ENERGY:

- 4.1 Power load: ..... MW/KW
- 4.2 D. G. Set: Rated capacity..... in KVA
- 4.3 Boiler: Rating/Steam generation capacity..... tonnes per hour
- 4.4 Type of fuel used:

Name fuel	Quantity MT/month
(a) Wood	
(b) Coal	
(c) LSHS	
(d) Furnace Oil	
(e) LDO	
(f) HSD	
(g) Kerosene	
(h) Naptha	
(i) Others (specify)	

## 5. WATER CONSUMPTION:

- 5.1 Source of supply of water: PWD/Open wells/Bore wells/Any other source

- 5.2 State daily quantity of water use in Kilo litres:

Sl. No.	Use	Quantity in Kilo litres/day
(a)	For Manufacturing Process	
(b)	As wash water	
(c)	As cooling water	
(d)	As boiler feed	
(e)	Domestic	
(f)	D. M. Water	
(g)	Agriculture	
(h)	Spray in Mines	
(i)	Other uses (specify)	

## 6. WASTE WATER GENERATION:

- 6.1 State daily quantity of waste water generated in Kilo litres:

Sl. No.	Sources of Waste Water	Quantity in Kilo litres/day
(a)	Manufacturing Process	
(b)	Wash water	
(c)	Cooling water	
(d)	Boiler Plant	
(e)	D. M. Water Plant	
(f)	Domestic	
(g)	Other uses (specify)	

- 6.2 Do you propose to re circulate any or all the above waste streams? Yes/ No

If yes, give details:

- 6.3 Whether effluents need any treatment? Yes/No.

If yes, give details of proposed waste-water treatment plant, schematic diagram, flowsheet or detailed engineering drawing alongwith design details, as the case may be.

- 6.4 Final point of disposal of waste-water (Give name of river, nallah, pond or survey number of land alongwith site clearance)

- 6.5 Attach Water Balance Sheet:

- 6.6 Indicate characteristics of waste-water to be discharged before and after treatment:

## (a) PHYSICAL:

Temperature  
pH  
Colour  
Odour  
Total Suspended Solids (mg/l)

## (b) CHEMICAL:

BOD (mg/l)  
COD (mg/l)  
Oil & Grease (mg/l)  
Sulphates  
Metals like nickel, Zinc, \*tin, chromium, cyanide

- (c) Is there any discharge of specific toxic substances?

## 7. SOLID WASTE:

- (a) Total quantity of solid waste (tons/month)

- (b) Characteristics of solid waste

- (c) Methods proposed for treatment and disposal

- (a) Incineration  
(b) Land filling  
(c) Sale  
(d) Composing  
(e) Any other method

8. AIR POLLUTION

8.1 Give details of air pollution sources such as process emissions, reaction on vessels, crushes, grinders, pulverisers, furnaces, boilers, power generation sets, incinerators, etc. Control equipments, chimney/vents proposed for stacks. Chimneys & vents diameter and height above ground level roof level should be given for each of them:

8.2 Details of air pollution control measures with schematic diagrams, flow sheet/detailed engineering diagram, as the case may be, with respect to stack/chimney specifications, scrubber, ESP, bag filter, etc.:

9. NOISE POLLUTION:

Give details of source of noise pollution such as process machinery, D.G. sets, grinders, ball mills, etc and measures taken for control of noise from each of noise from each of noise pollution sources:

10. Is there any odour problem likely to occur from your industry?

11. POLLUTION CONTROL MANAGEMENT:

11.1 Expenditure proposed for Capital Recurring

- (a) Water Pollution Control:
- (b) Air pollution control:
- (c) Disposal arrangements:
- (d) Solid waste handling:
- (e) Pollution monitoring:

11.2 Total capital investment proposed on pollution control as a percentage of total investment of the industry:

11.3 Give the details of the organisation proposed to be set up by you for the control of pollution:

12. Any other additional information about beneficial or adverse environmental impact from your industry:

Yours faithfully,

Signature:

Name of the applicant:

Address:

13. ACCOMPANIMENT:

Following documents should invariably be attached

- (1) Land allotment/Earmarking letter or lease/Sale deed
- (2) Provisional registration in case of SSI

- (3) Approval of VP/Municipality. (Not required for units to be set up in Industrial Estates):
- (4) Flow chart and detailed production process:
- (5) A copy of Project Report for projects costing one crore and above.
- (6) Site Plan (not required for units to be set up in Industrial Estates):
- (7) Lay-out plan showing the location of manufacturing equipments, water supply/drainage lines, position of chimneys, effluent treatment plant and final discharge points, sludge solid waste disposal points and septic tanks/soak pits.
- (8) For medium and large scale units, environmental impact assessment and oceanographic or other survey, if required, will have to be furnished in the prescribed time limit.
- (9) Site plan showing surrounding residential area, public places, water stream, etc. of the factory site within a radius of 5 kms with waste water treatment and disposal systems clearly indicating where waste water is proposed to be disposed off (for medium and large scale units).
- (10) Affidavit on stamp paper of value Rs. 5/- or Certificate from the Chartered Accountant certifying the Gross Fixed asset Value.
- (11) Original authorisation letter of the person to whom authorisation is made to sign this application form except individual proprietary concern.

Price Rs. 100/- only

FORM IV (b)

(See rule 29)

(To be submitted in DUPLICATE)

Application for consent for operation of Industry or process or any treatment and disposal system for discharge/continuation of discharge under section 25 or section 26 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974).

From

.....  
.....  
.....

To

The Chairman,  
The Goa State Pollution Control Board,  
243-Patto,  
Panaji-Goa-403001.

Sir,

I/We hereby apply for Consent/Renewal of Consent under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974), for operation or process or any treatment and disposal system or any extension or addition these to, to bring in to use any new or altered outlet for discharge of \*sewage/Trade effluents\*, to continue to discharge\* sewage/trade effluent\* from land/premises owned by me/us.....

The annexure, appendices, other relevant particulars and plans are attached herewith in duplicate.

I/We further declare that the statements made and information furnished in the Annexures, appendices and plans are true to the best of my/our knowledge. I/We understand that it is an offence to make a false statement in applying for any proposed consent (vide section 42(l)(f) of the Act, 1974).

I/We hereby submit that in case of change of the point or the quantity of discharge or its quality or any other modifications, a fresh application for CONSENT shall be submitted and until such CONSENT is granted, no changes shall be made.

I/We hereby agree to submit to the Board, an application for RE-NEWAL OF CONSENT three months in advance of the date of expiry mentioned in the consent order.

I/We undertake to furnish any other information within ONE MONTH of its being called for the Board. I/We further understand that only the dates on which all the relevant particulars are furnished by me/us in order to make the application complete in all respects, will be reckoned as the date of making the application, irrespective of the date of submission of the original application, which is incomplete.

I/We enclose herewith the Bank Draft No. .... date ..... for Rs. ....(Rupees..... only) in favour of Member Secretary, Goa State Pollution Control Board-Panaji as fees\*\* payable under section 25 fo the Act.

Yours faithfully,

Signature:

Name fo the applicant:

Address:

\*Strike out which is not relevant.

\*\*Please see Table-II.

ANNEXURE TO FORM IV(b)

Note: Any applicant knowingly giving incorrect information or suppressing any information pertaining thereto shall be liable to be punished under the Act, 1974.

While filling this Annexure, the applicant not concerned with any of the item shall state "Not concerned" against the relevant one.

- (1) Full name of the Applicant:  
(in block letters)
- (2) Nationality of the Applicant:
- (3) Status of the Applicant:

(a) Individual:

(b) Proprietary

(c) Partnership firm:  
(whether registered or unregistered)

(d) Joint family concern:

(e) Private Limited Company:

(f) Public Limited Company:

(g) Government Company:

(1) State Government:

(2) Central Government:

(3) Union territory:

(h) Foreign Company:  
(if Foreign Company, details of  
registration, incorporation, etc.,)

(i) Any other Association or body:

- (4) (a) Full name of Industry/Factory/  
/Institute/Premises/Area/Land/  
/Treatment Plant/Local Body with  
Address and Telephone No.:
- (b) Name of the person authorised to  
sign this form:
- (5) Give Revenue/survey number of  
land/premises for which the appli-  
cation is made stating District, Ta-  
luka and Village.

District:  
Taluka:  
Town:  
Village:  
Revenue  
Survey No.  
Area in  
Hectares:
- (6) (a) State the month and the year in  
which the Industry/Factory/Insti-  
tute/Premises/Area/Land/Treatment  
Plant was actually put in to commis-  
sion or proposed to be put in to com-  
mission:
- (b) Gross investment in the industry  
and year of investment:
- (c) Gross Fixed Assets value of the  
Industry.
- (7) State the Civil/Military/Defence/  
/Industrial Estate etc., under whose  
administrative jurisdiction the appli-  
cants land/premises is situated

Municipality:  
Panchayat:  
Industrial Estate:  
Defence Depart-  
ment:  
Port Trust:  
State Government:  
Prohibited Area:
- (8) (a) State whether the land/premises/  
/factory/Industry has been declared  
as prohibited area.

Yes/No.
- (b) If yes, state the name of the Autho-  
rity and furnish a certified copy of  
the order under which the area has  
been declared as prohibited:
- (9) (a) Is the Industry/Factory for which  
application is made closed on any  
days of the week?

Yes/No

If so, give the days on which it is  
closed.
- (b) State the working season in a year  
for the Industry/Factory

(a) Full year  
(b) Part  
From To  
From To  
From To  
every year
- (c) 

No. of workers attending the factory	Shift No. 1 Hours	Shift No. 2 Hours	Shift No. 3 Hours	General shilt Hours
- (d) No. of workers residing in the premises.
- (10) Give the list of raw materials (metals alloys, chemicals,  
oils, fuel etc.) used per month.

Raw materials	Name	Quantity/month
Metal and alloy		
Chemicals: Organic		
Inorganic		
Dyes		
Pesticides		
Others		
Oil and Grease		

(11) Fuels:

Name	Quantity MT/month
(a) Wood	
(b) Coal	
(c) LSHS	
(d) Furnace Oil	
(e) LDO	
(f) HSD	
(g) Kerosene	
(h) Naptha	
(i) Others (specify)	

(12) (a) Give the list of names of products and by-products manufactured per month:

Sl. No.	Name of products	Actual Production	Installed capacity

(b) Attach process description of different products while highlighting accident prone and hazardous areas and also with (emission, waste water and solid waste) generation areas: (enclose separately)

(c) Attach process flow diagram with mass balance:

(d) State Batch/Continuous Process:

(13) State daily quantity of water use in Kilo litres:

Sl. No.	Use	Quantity in Kilo litres/day
(a)	For Manufacturing Process	
(b)	As wash water	
(c)	As cooling water	
(d)	As boiler feed	
(e)	Domestic	
(f)	D. M. Water	
(g)	Agriculture	

(h)	Spray in Mines	
(i)	Other uses (specify)	

(14) State daily quantity of waste water generated in Kilo litres:

Sl. No.	Source of Waste Water	Quantity in Kilo litres/day
(a)	Manufacturing Process	
(b)	Wash water	
(c)	Cooling water	
(d)	Boiler Plant	
(e)	D. M. Water Plant	
(f)	Domestic	
(g)	Other uses (specify)	

(15) Give material balance of the water consumption in different operations including waste water generation:

(16) State whether you have any Treatment Plant for industrial, domestic or combined effluents: Yes/No

If yes, attach the description of the process of treatment, detailed engineering drawing alongwith design details. Also attach analysis report of effluents.

(17) What monitoring arrangement is currently there or proposed:

(18) Give the quantitative disposal of treated effluent in Kld. provided for the place mentioned below:

Sl. No.	Place of disposal	Domestic	Industrial	Mixed
(i)	Stream/River/Nalla			
(ii)	One land for Irrigation/ /Gardening			
(iii)	Inland Water			
(iv)	Sea/Tidal Water			
(v)	On land for percolation			
(vi)	PWD Sewer			
(vii)	Others (Specify)			

(19) State the area of land used for 18(ii) above in hectares.

(20) (a) Is the effluent toxic ? Yes/No

(b) State if the industrial effluent is:

(i) having unpleasant smell Yes/No  
(ii) Irritating Yes/No  
(iii) Corrosive Yes/No  
(iv) With colour Yes/No

(c) Is there any sudden change of temperature of effluent exceeding 10° C at any time ? Yes/No

(21) Are facilities available with the applicant for carrying out the following tests of the waste water ?

	Existing	Proposed
(i) Physical	Yes/No	Yes/No
(ii) Chemical	Yes/No	Yes/No
(iii) Bacteriological	Yes/No	Yes/No
(iv) Toxicological	Yes/No	Yes/No

- (22) State details of solid waste generated in the manufacturing process and/or waste water treatment:

Sl. No.	Nature of waste	Quantity/ /month	Method of disposal (Incineration/land fill/city pickup/sale/others (specify)

- (23) (a) Quantum of Hazardous Waste generated and its nature as defined under the Environment (Protection) Act, 1986 (29 of 1986) (see Hazardous Wastes (Management and Handling) Rules, 1989)

- (b) Mode of storage within the plant, method of disposal, any other information sought by GSPCB.

- (24) (a) Hazardous Chemicals as defined under the Environment (Protection) Act, 1986 (29 of 1986) (See the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.

- (b) Whether any isolated storage is involved, if yes, attach details. Yes/No

- (c) Whether emergency plans are prepared for taking:  
— on site measures Yes/No  
— off site measures Yes/No

- (25) Give details and percentage of recycling or re-use of waste water/treated effluent/other products, if envisaged:

- (26) (For Local Bodies only)

- (a) Present population.  
(b) Population covered under regular sewerage facilities.  
(c) Population covered under conservancy latrines.  
(d) Population having septic tank/pit privy facilities.

Signature(s): .....  
Name(s) of the applicant(s).....  
Address of applicant (s) .....

**Accompaniments:**

- (1) Photo copy of NOC or previous consent issued by this Board.  
(2) Site plan showing residences, water bodies, roads, drains access.  
(3) Detailed layout plan of the factory premises showing structures, water supply lines, storm water drains, sewers for domestic effluent/trade effluent and its disposal system, septic tanks/soak pits and any other relevant details.  
(4) Process description and process flow diagram referred vide 12 (b) (c) of this application form.

- (5) Affidavit on stamp paper of value Rs. 5/- or Certificate from the Chartered Accountant certifying the Gross Fixed Asset Value.

- (6) Original authorisation letter of the person to whom authorisation is made to sign this application form except Individual propriety concern.

**Accompaniments for Renewal of Consent Application:**

- (1) Photo copy of previous consent order issued by this Board.  
(2) Effluent Analysis reports within last six months.  
(3) Details of changes.  
(4) Affidavit on stamp paper of value Rs. 5/- or Certificate from the Chartered Accountant certifying the Gross Fixed asset Value.  
(5) Demand Draft.

**Notification**

3-38-98-STE-DIR

In exercise of the powers conferred by section 54 of the Air (Prevention and Control of Pollution) Act, 1981 (Central Act, 14 of 1981), the Government of Goa, in consultation with the Goa State Pollution Control Board, hereby makes the following rules so as to amend the Goa Air (Prevention and Control of Pollution) Rules, 1989, as follows, namely:—

1. *Short title and commencement.*— (1) These rules may be called the Goa Air (Prevention and Control of Pollution) (Amendment) Rules, 1998.

(2) They shall come into force at once.

2. *Amendment of rule 10.*— For rule 10 of the Goa Air (Prevention and Control of Pollution) Rules, 1989 (hereinafter referred to as the “principal rules”), the following rule shall be substituted, namely:—

“10. *Form of application for consent and fees.*—

(1) Every application for consent to establish under sub-section (2) of section 21 of the Act shall be made in Form 1(a) and shall be accompanied by fees as indicated in Table 1 below.

TABLE - 1

Total Estimated Investment (T. E. I.) (in lakhs of Rs.)	Consent Fee (in Rs.)
upto 1	100
above 1 - upto 2	200
above 2 - upto 3	300
above 3 - upto 4	400
above 4 - upto 5	500
above 5 - upto 6	600
above 6 - upto 7	700
above 7 - upto 8	800



Total Estimated Investment (T. E. I.) (in lakhs of Rs.)	Consent Fee (in Rs.)	Gross Fixed Assets (G.F.A.) (in lakhs of Rs.)	Consent Fee (in Rs.)
above 8 - upto 9	900	above 9 - upto 10	5,000
above 9 - upto 10	1000	above 10 - upto 15	6,000
above 10 - upto 15	1200	above 15 - upto 20	7,000
above 15 - upto 20	1400	above 20 - upto 25	8,000
above 20 - upto 25	1600	above 25 - upto 35	9,500
above 25 - upto 35	2000	above 35 - upto 45	11,000
above 35 - upto 45	2400	above 45 - upto 55	12,500
above 45 - upto 55	2800	above 55 - upto 65	14,000
above 55 - upto 65	3200	above 65 - upto 75	15,500
above 65 - upto 75	3600	above 75 - upto 100	17,000
above 75 - upto 100	4000	above 100 - upto 500	22,000
above 100 - upto 500	5200	above 500 - upto 1000	27,000
above 500 - upto 1000	6400	above 1000 - upto 2000	37,000
above 1000 - upto 2000	7600	above 2000 - upto 3000	47,000
above 2000 - upto 3000	10100	above 3000 - upto 4000	57,000
above 3000 - upto 4000	12600	above 4000 - upto 5000	67,000
above 4000 - upto 5000	15100	above 5000 - upto 10000	97,000
above 5000 - upto 10000	22600	above 10000 - upto 20000	1,27,000
above 10000 - upto 20000	30100		

\*If the T. E. I. value exceeds Rs. 20,000 lakhs, a fee of Rs. 100/- per every additional 100 lakhs shall be payable in addition to Rs. 30,100/-.

(2) Any industry, operation, process, treatment/disposal system or an extension addition thereto, for which the consent to establish has been granted, shall be ready for operation within the validity period stipulated in the said consent to establish, failing which, a fresh application with requisite fees shall be made for re-validation.

(3) When any industry, operation, process, treatment/disposal system or an extension/addition thereto is established, an application for consent to operate (Consent) under sub-section (1) of section 21 of the Act shall be made in Form I (b) at least two months prior to the scheduled date of commencing operation and shall be accompanied by fees as indicated in Table 2 below.

TABLE-2

Gross Fixed Assets (G.F.A.) (in lakhs of Rs.)	Consent Fee (in Rs.)
upto 1	500
above 1 - upto 2	1,000
above 2 - upto 3	1,500
above 3 - upto 4	2,000
above 4 - upto 5	2,500
above 5 - upto 6	3,000
above 6 - upto 7	3,500
above 7 - upto 8	4,000
above 8 - upto 9	4,500

\*If the G. F. A. value exceeds Rs. 20,000 lakhs, a fee of Rs. 500/- per every additional 100 lakhs shall be payable in addition to Rs. 1,27,000/-.

(4) Any application not accompanied by appropriate amount of fees shall not be entertained by the Board.

(5) Fees shall be paid by a bank draft in favour of the Goa State Pollution Control Board.

(6) An application for renewal of consent shall be made in Form I(b), at least two months prior to the expiry of the current Consent alongwith the requisite fees indicated in Table 2. Application for renewal of consent submitted after the validity period shall be accompanied by a penalty of 50% of the Consent fee.

(7) All applications shall be accompanied by an appropriate document as specified by the Board to certify the level of T.F.I. or the current value of G. F. A. of the industry, operation, process, treatment/disposal system or an extension/addition thereto, for which the consents are sought.

3. *Amendment of Form I.*—For Form I appended to the principal Rules, the following new Forms shall be substituted, namely:—

“Form I (a)

“Form I (b).

By order and in the name of the Governor of Goa.

Dr. N. P. S. Varde, Director & Jt. Secretary (S.T.E.).

Saligao, 3rd September, 1998.

Price Rs. 100/-

ANNEXURE TO FORM I (a)

## FORM I(a)

(See rule 10)

(To be submitted in 5 sets)

Application Form for obtaining consent to establish (under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981).

From:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

To,  
The Chairman,  
The Goa State Pollution Control Board,  
243-Patto, Panaji-Goa —403 001.

Sir,

I/We hereby apply for consent to establish under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981).

(2) The annexure, appendices, other relevant particulars and plans are submitted herewith in five sets.

(3) I/We further declare that the statements made and information furnished in the annexures, appendices and plans are true to the best of my/our knowledge.

(4) I/We undertake to furnish any other information within ONE MONTH of its being called for by the Board. I/We further understand that only the dates on which all the relevant particulars are furnished by me/us in order to make the application complete in all respects, will be reckoned as the date of making the application, irrespective of the date of submission of the original application, which is incomplete.

(5) I/We understand that the factory/unit can be put in operation only on obtaining CONSENT TO OPERATE as per the provisions of section 21 of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981).

(6) Accordingly, I/We undertake that the production including the trial production shall not be commenced until and unless:—

(a) all the conditions which may be set out in the grant of consent to establish are complied with,

(b) consent to operate under the Air (Prevention and Control of Pollution) Act, 1981 and/or any other relevant Act is obtained.

(7) I/We understand that any condition imposed by the Board while granting consent to establish will be binding on me/my company.

I/We enclose herewith the Bank Draft No. \_\_\_\_\_ date \_\_\_\_\_ for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) in favour of Member Secretary, Goa State Pollution Control Board, Panaji as fees\* payable under section 21 of the Act, 1981.

Yours faithfully,

Signature:

Name of the applicant:

Address:

Note: Any applicant knowingly giving incorrect information or suppressing any information pertaining thereto shall be liable to be punished under the Act.

While filling this Annexure the applicant not concerned with any of the items shall state "Not concerned" against the relevant one.

## 1. GENERAL:

1.1 Name of the industry:

1.2 Location of the proposed industry:

1.3 Address for correspondence:

1.4 Name and address of applicant with telephone number:

1.5 Nationality of the applicant:

1.6 Status of the applicant:

(a) Individual:

(b) Proprietary:

(c) Partnership firm:

(whether registered or unregistered)

(d) Joint family concern:

(e) Private Limited Company :

(f) Public Limited Company:

(g) Government Company:

(1) State Government:

(2) Central Government:

(3) Union Territory:

(h) Foreign Company:

(if Foreign Company details of registration, incorporation, etc.)

(i) any other Association or body:

1.7 Give Revenue/Survey number of land/premises for which the application is made stating District, Taluka and Village.

District:

Taluka:

Town:

Village:

Revenue Survey No.

Area in Hectares:

1.8 Purpose for which consent is required (1) Setting up of new industry (2) Expansion/Diversification/ Modifications

If it is for expansion/diversification/modifications, please furnish details.

1.9 (a) Total cost of the project (including cost of Land).

(b) Total Estimated investment (including cost of Land).

1.10 Number and date of provisional registration issued by Directorate of Industries and Mines for SSI units.

1.11 Date of submission of application to HPCC in case of Large/Medium Scale Industries.

1.12 Number of workers to be employed.

\*Please refer Table - I

2. PRODUCTS AND RAW MATERIALS:

2.1 List of products and by products if any, with proposed quantity to be produced per month. Licensed capacity Installed capacity

2.2 List of raw materials used. (Quantity/month)

3. MANUFACTURING PROCESS:

3.1 Give detailed description of manufacturing process alongwith a process flow diagram showing the entry and exit points of all raw materials; intermediate products, by-products, water pollution sources.

3.2 Have you any foreign collaboration?

4. SOURCE OF ENERGY:

4.1 Power Load: \_\_\_\_\_ MW/KW

4.2 D. G. Set: Rated capacity \_\_\_\_\_ in KVA

4.3 Boiler: Rating/Steam Generation Capacity \_\_\_\_\_ tonnes per hour

4.4 Type of fuel used:

Name fuel	Quantity MT/month
(a) Wood	
(b) Coal	
(c) LSHS	
(d) Furnace Oil	
(e) LDO	
(f) HSD	
(g) Kerosene	
(h) Naptha	
(i) Others (specify)	

5. WATER CONSUMPTION:

5.1 Source of supply of water: PWD/Open wells/Bore Wells/Any other source (m3/day)

5.2 State daily quantity of water use in Kilo litres:

S. No.	Use	Quantity in Kilo litres/day
(a)	For Manufacturing Process	
(b)	As wash water	
(c)	As cooling water	
(d)	As boiler feed	
(e)	Domestic	
(f)	D. M. Water	
(g)	Agriculture	
(h)	Spray in Mines	
(i)	Other uses (specify)	

6. WASTE WATER GENERATION:

6.1 State daily quantity of waste water generated in Kilo litres:

Sl. No.	Source of Waste Water	Quantity in Kilo litres/day
(a)	Manufacturing Process	
(b)	Wash Water	
(c)	Cooling Water	
(d)	Boiler Plant	
(e)	D. M. Water Plant	
(f)	Domestic	
(g)	Other uses (specify)	

6.2 Do you propose to recirculate any or all the above waste streams? Yes/No

If yes, give details:

6.3 Whether effluents need any treatment? Yes/No

If yes, give details of proposed waste-water treatment plant, schematic diagram, flowsheet or detailed engineering drawing alongwith design details, as the case may be.

6.4 Final point of disposal of waste-water (Give name of river, nallah, pond or survey number of land alongwith site clearance).

6.5 Attach Water Balance Sheet:

6.6 Indicate characteristics of waste-water to be discharged before and after treatment.

(a) PHYSICAL:

Temperature  
pH  
Colour  
Odour,  
Total Suspended Solids (mg/l.)

(b) Chemical:

BOD (mg/l)  
COD (mg/l)  
Oil & Grease (mg/l)  
Sulphates  
Metals like Nickel, Zinc, Tin,  
Chromium, Cyanide

(c) Is there any discharge of specific toxic substances?

7. SOLID WASTE

(a) Total quantity of solid waste (tons/month).

(b) Characteristics of solid waste

(c) Methods proposed for treatment and disposal

(a) Incineration  
(b) Land filling  
(c) sale  
(d) Composting  
(e) Any other method

## 8. AIR POLLUTION:

- 8.1 Give details of air pollution sources such as process emissions, reaction on vessels, crushers, grinders, pulverisers, furnaces, boilers, power generation sets incinerators, etc. Control equipments, chimney/vents proposed for stacks. Chimney & vents diameter and height above ground level/roof level should be given for each of them:
- 8.2 Details of air pollution control measures with schematic diagram, flow sheet/detailed engineering diagrams, as the case may be, with respect to stack/chimney specifications, scrubber, ESP, bag filter, etc.

## 9. NOISE POLLUTION:

Give details of source of noise pollution such as process machinery, D.G. sets, grinders, ball mills, etc. and measures taken for control of noise from each noise pollution sources

10. Is there any odour problem likely to occur from your industry?

## 11. POLLUTION CONTROL MANAGEMENT:

- 11.1 Expenditure proposed for                      Capital                      Recurring

- (a) Water Pollution Control:  
(b) Air Pollution Control:  
(c) Disposal arrangements:  
(d) Solid waste handling:  
(e) Pollution monitoring:

- 11.2 Total capital investment proposed on pollution control as a percentage of total investment of the industry:

- 11.3 Give the details of the organisation proposed to be set up by you for the control of pollution:

12. Any other additional information about beneficial or adverse environmental impact from your industry:

Yours faithfully,

Signature:

Name of the applicant:

Address:

## 13. ACCOMPANIMENTS:

Following documents should invariably be attached.

- (1) Land allotment/Earmarking letter or lease/Sale deed.  
(2) Provisional registration in case of SSI.  
(3) Approval of VP/Municipality. (Not required for units to be set up in Industrial Estates).

- (4) Flow chart and detailed production process.

- (5) A copy of Project Report for Projects costing one crore and above.

- (6) Site Plan (not required for units to be set up in Industrial Estates).

- (7) Layout plan showing the location of manufacturing equipments, water supply/drainage lines, position of chimneys, effluent treatment plant and final discharge points, sludge solid waste disposal points and septic tanks/soak pits.

- (8) For medium and large scale units, environmental impact assessment and Oceanographic or other survey, if required, will have to be furnished in the prescribed time limit.

- (9) Site plan showing surrounding residential area, public places, water stream, etc. of the factory site within a radius of 5 kms with waste water treatment and disposal systems clearly indicating where waste water is proposed to be disposed off (for medium and large scale units).

- (10) Affidavit on stamp paper of value Rs. 5/- or Certificate from the Chartered Accountant certifying the Gross Fixed Asset Value.

- (11) Original authorisation letter of the person to whom authorisation is made to sign this application form except individual proprietary concern.

Price: Rs. 100/- only

FORM I (b)

(See rule 10)

(To be submitted in DUPLICATE)

Application for consent for emission/continuation of emission under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981).

From

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

To,  
The Chairman,  
The Goa State Pollution Control Board,  
243-Patto,  
Panaji-Goa-403001.

Sir,

I/We hereby apply for Consent/Renewal of Consent under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981) to bring into use a new/alterd \*stack for the discharge of emission/to begin to make a new discharge of emission/to continue to discharge emission \* from stack in industry owned by me/us \_\_\_\_\_.

The annexure, appendices, other relevant particulars and plans are submitted herewith in duplicate.

I/We further declare that the statements made and information furnished in the Annexures, appendices and plans are true to the best of my/our knowledge. I/We understand that it is an offence to make a false statement in applying for any proposed consent (vide section) 38 (f) of the said Act 1981).

I/We hereby submit that in case of any changes of the point or the quantity of the emission or its quality, a fresh application for CONSENT shall be submitted for such changes and until such CONSENT is granted, no changes shall be made.

I/We hereby agree to submit to the Board, an application for RENEWAL OF CONSENT three months in advance of the date of expiry mentioned in the consent order.

I/We undertake to furnish any other information within ONE MONTH of its being called for by the Board.

I/We enclose herewith the Bank Draft No. \_\_\_\_\_ date \_\_\_\_\_ for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) in favour of Member Secretary, Goa State Pollution Control Board-Panaji as fees\*\* payable under section 25 of the Act.

Yours faithfully,

Signature(s):

Name of the applicant(s):

Address:

\*Strick out which is not applicable.

\*\*Please see Table-II.

#### ANNEXURE TO FORM I (b)

*Note:* Any applicant knowingly giving incorrect information or suppressing any information pertaining thereto shall be liable to be punished under the Act.

While filling this Annexure, the applicant not concerned with any of the item shall state "Not concerned" against relevant one.

(1) Full Name of the applicant:  
(in block letters)

(2) Nationality of the applicant:

(3) Status of the applicant:

- (a) Individual:
- (b) Proprietary:
- (c) Partnership firm:  
(whether registered or unregistered)
- (d) Joint family concern:
- (e) Private Limited Company:
- (f) Public Limited Company:
- (g) Government Company:

- (1) State Government:
- (2) Central Government:
- (3) Union Territory:

(h) Foreign Company:  
(if Foreign Company details of registration, incorporation etc.)

(i) Any other Association or body:

(4) (a) Full name of Industry/Factory/Institute/  
Premises/Area/Land/Local Body with  
Address and Telephone No:

(b) Name of the person authorised to sign  
this form:

(5) Give Revenue/survey number of land/  
premises for which the application is  
made stating District Taluka and Village.  
District:  
Taluka:  
Town:  
Village:  
Revenue Survey  
No.  
Area in Hectares:

(6) (a) State the month and the year in which  
the Industry/Factory/Institute/Premises/  
/Area/Land/was actually put into commis-  
sion or proposed to be put into commission:

(b) Gross Investment on the industry and year  
of investment:

(c) Gross Fixed Assets value of the Industry:

(7) State the Civil/Military/Defence/Indus-  
trial Estate etc., under whose adminis-  
trative jurisdiction the applicants  
land/premises is situated  
Municipality:  
Panchayat:  
Industrial  
Estate:  
Defence Depart-  
ment:  
Port Trust:  
State Govern-  
ment:  
Prohibited Area:

(8) (a) State whether the Land/Premises/  
/Factory/Industry has been declared as  
prohibited area. Yes/No.

(b) If yes, state the name of the  
Authority and furnish certified  
copy of the order under which the  
area has been declared as prohibited.

(9) Is the Industry/Factory for which application  
is made closed on any days of the week? Yes/No.

If so, give the days on which it is closed.

(10) State the working season in a year for  
the Industry/Factory  
(a) Full year  
(b) Part  
From To  
From To  
From To  
every year

(11)(a)	No. of workers attending the factory	Shift No.1 Hours.	Shift No.2 Hours.	Shift No.3 Hours.	General shift Hours.

(b) No. of workers residing in the premises.

- (12) Indicate the present use of the land in the vicinity (5 Km. radius) of the:
- (1) Human settlement of more than 1000 population (specify population and distance from the plants)
- (2) Commercial:
- (3) Industrial:
- (4) Fisheries:
- (5) Sanctuary/national parks/hills/monuments:
- (6) Ancient monuments:
- (7) Agriculture:

- (13) Climatological and Meteorological details (if available):

- (a) Indicate the climate conditions at site.  
(e.g. arid, semi-arid etc.,)
- (b) Rainfall: yearly average range.
- (c) Temperature: Seasonal range.
- (d) Information on speed and direction of wind.
- (e) Humidity and solar radiation.

- (14) Give the list of raw materials used (Tonnes/day)

Sl. No.	Name of materials	Principal use	Consumption T/day

A process flow diagram must be included with this statement showing entry and exit points of all raw materials, intermediate products, by products and finished products, Label process and air emission and its control equipment.

- (15) Fuels consumption in Tonnes/day.

Name	Consumption-T/day	Calorific value Kcal/kg. %	Ash content %	Sulphur Content %	Others (specify)
(a) Wood					
(b) Coal					
(c) LSHS					
(d) Furnace Oil					
(e) LDO					
(f) HSD					
(g) Kerosene					
(h) Naphtha					
(i) Others (Specify)					

- (16) (a) Give the list of names of products and by-products manufactured per day.

S. No.	Name of products/By-Products	Actual Production	Installed capacity

- (b) Attach process description of different products while highlighting accident prone and hazardous areas and also with (emission, waste water and solid waste) generation areas: (enclose separately):

- (c) State batch/continuous Process:

- (17) Furnaces/cupolas:

- (a) No. of furnaces/cupolas:

- (i) Installed:

- (ii) In use:

- (b) Date of Installation:

- (c) Capacity:

- (d) Purpose used:

- (18) Boilers:

- (a) No. of Boilers:

- (i) Installed:

- (ii) In use:

- (b) Type:

- (c) Capacity. (Tonnes/hr.)

- (d) Method of fuel charging:

- (i) Oil/Gas burner:

- (ii) Grant charges (manual/mechanical)

- (e) Quantity of fuel used in boiler (Kgs/hr.):

- (19) D. G. Sets:

- (a) No. of D. G. Sets:

- (i) Installed.

- (ii) In use.

- (b) Date of Installation.

- (c) Rated capacity. (KVA/MW)

- (d) Name and quantity of fuel used (Kgs/hr.)

- (20) Give details of Air Pollution control System with specifications and drawings for air pollutants:

- (a) Existing:

- (b) Proposed:

Give detailed specifications for cyclones, Electrostatic precipitators, scrubbers, Bag filters, etc.,

- (c) Give details of laboratory facilities available for analysis of emission.

- (21) Give details of atmospheric emission for each stack (Process Boilers/DG Sets/others (specify) in the Sheet-I enclosed to the application.

(22) Flue gas emissions: Analysis of flue gas in mg/m<sup>3</sup>

For Boilers, D.G. Sets & other oil/gas fired equipment)

Stack No.	Type of fuel used	Qty of fuel kgs/hr.	Type of firing	SO <sub>2</sub>	HC	CO	Particulate matter	Others (specified)

(23) Process emissions:

Stack No.	Qty. of Gas M <sup>3</sup> /hr.	SO <sub>2</sub>	CO <sub>2</sub>	CO	NO <sub>x</sub>	HC	Particulate matter	Others (specify)

(24) Give details and percentage of recycling or re-use of waste water-treated effluent/other products, if envisaged:

(25) State the total quantity of Air handled by Ventilation Equipment. Specify size and No. of equipments installed or to be installed:

(26) Give the following details:

- The estimated/actual expenditure for implementing the scheme to control Air pollution:
- Annual operation and maintenance cost of Air pollution control plant, if any:
- Further action that is being taken by the firm to control Air Pollution.
- Other relevant information, if any.

Signature(s): \_\_\_\_\_

Names(s) of the applicant(s): \_\_\_\_\_

Address of applicant(s): \_\_\_\_\_

Accompaniments:

- Photo copy of NOC or previous consent issued by this Board.
- Index/Site plan.
- Topographical map.
- Detailed layout plan of different process and point sources of emissions and position of stacks and chimneys and any other relevant details.
- Process description and process flow diagram.
- Latest analysis report.
- Details of Air Pollution control devices provided or proposed to be provided.
- Affidavit on stamp paper of value Rs. 5/- or Certificate from the Chartered Accountant certifying the Gross Fixed Asset Value.
- Original authorisation letter of the person to whom authorisation is made to sign this application form except Individual proprietary concern.

Accompaniments for Renewal of Consent Application:

- Photo copy of previous consent order issued by this Board.
- Latest Analysis reports within six months.
- Details of changes.
- Affidavit on stamp paper of value Rs. 5/- or Certificate from the Chartered Accountant certifying the Gross Fixed Asset Value.
- Demand Draft.

SHEET — I

Stack No.	Stack attached to	Material of construction	Stack height in Mts.		Stack top		Gas* quantity. m <sup>3</sup> /hr.	Flue gas Temp. 0C	Exit gas velocity of gas (m/sec)
			Above the roof	Above the ground	Round/ /Square/ /Rectangular	Inside size at top			
	Process								
	Boilers								
	D. G. Sets								
	Others								